

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: David Michael Young
- (ii) TITLE OF INVENTION: NOVEL THERMOSTABLE PROTEOLYTIC ENZYMES
AND USES THEREOF IN PEPTIDE AND PROTEIN SYNTHESIS
- (iii) NUMBER OF SEQUENCES: 2
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Saliwanchik & Saliwanchik
 - (B) STREET: 2421 N.W. 41st Street, Suite A-1
 - (C) CITY: Gainesville
 - (D) STATE: FL
 - (E) COUNTRY: US
 - (F) ZIP: 32606-6669
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/773,475
 - (B) FILING DATE: 23-DEC-1996
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Saliwanchik, David R.
 - (B) REGISTRATION NUMBER: 31,794
 - (C) REFERENCE/DOCKET NUMBER: UF-174
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (352) 375-8100
 - (B) TELEFAX: (352) 372-5800

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ser Ser Ile Glu Trp Asn Glu Lys Thr Phe Ala Lys Phe Ala Tyr Leu
1 5 10 15

Ser Asp Pro Arg
 20

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 17 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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